Hahn Store, Washington, D. C. Edmund W. Dreyfuss & Associates—architects. Standard Art Marble & Tile Co.—contractor. For this enlarged and modernized store the architect created a distinctive white facade by specifying the repetitive use of CV Durathin Design No. CVD-13X. Unit size is 17¾" x 23¾" which assures utmost economy as well as impressiveness.

CV DURATHIN®

⅜" thin ceramic facing material provides a wide choice of colors and sculptured patterns. Weighs only 4 lbs. a sq.ft. Max. net face size 17¾" x 23¾"

ECONOMY—Due to its thinness, light weight and large-size units, ⅜" CV Durathin costs less to buy and install than other materials of comparable quality. Maintenance also is reduced to a minimum by the hard, impermeable glazes which provide an enduring seal against big-city grime, smoke and acids. Original color and beauty are retained indefinitely by simple soap-and-water washings.

PERMANENCE—CV Durathin becomes an integral part of the structure. Its impervious finish permanently resists weathering. The color you specify will remain true over the years.

Extensive shear tests on adhesion of CV Durathin indicate that shearing strengths developed are far in excess of those required by building codes. Such codes require that a unit shearing strength of not less than 50 psi be developed between the backing and the facing. Tests indicate that average shearing strengths of 138 to 174 psi are actually developed by adhesion between the CV Durathin and the backing.

COLOR—In CV Durathin you have a wide choice of ceramic colors for smooth surfaces or for sculptured patterns in the Design Series. Mottled as well as solid colors are available. Moreover, two-color tone effects can be created by Federal Seaboard's new process of natural flow glazes which accent relief features of the designs.

FINISH—CV Durathin offers the architect a choice of finishes—glossy, satin, vitreous slip or unglazed.

TEXTURE AND FORM—The surface (apart from its color or finish) can be fine or coarse-roughened, tooled, beveled, fluted, or custom-designed.

CV DURATHIN DESIGN SERIES—To help you create handsome effects with low relief sculptured ceramic walls, Federal Seaboard has introduced more than a score of standard patterns in ⅜" CV Durathin. Used repetitively or in combination with CV Durathin smooth surfaces, the design you select or create will enable you to give the desired architectural expression to interiors or exteriors.

FEDERAL SEABOARD TERRA COTTA CORPORATION
10 E. 40TH STREET, NEW YORK 16, N. Y.
PLANT AT PERTH AMBOY, NEW JERSEY

F S T C

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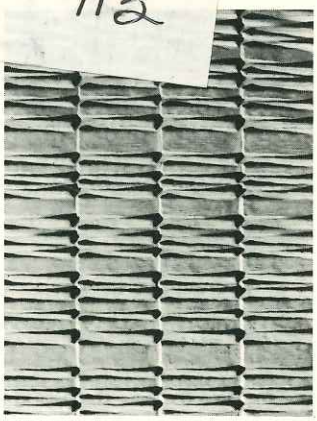
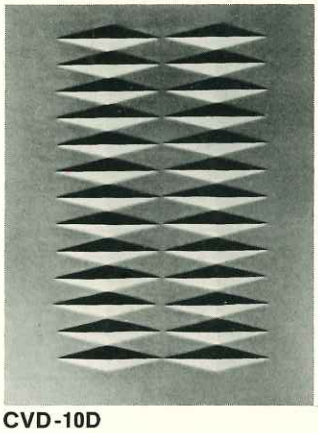


CVD-4

CVD-5



CVD-10D

CVD-13

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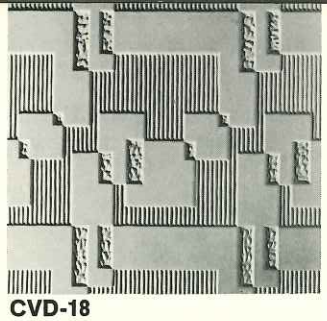
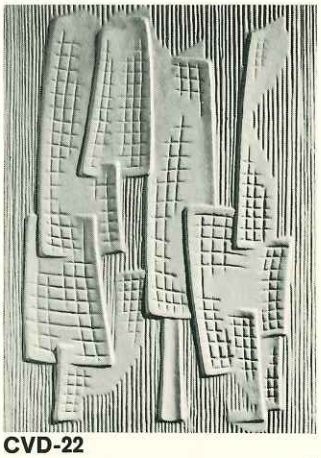
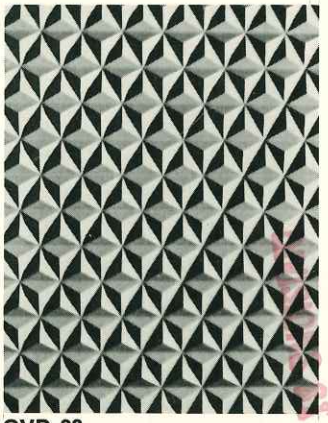


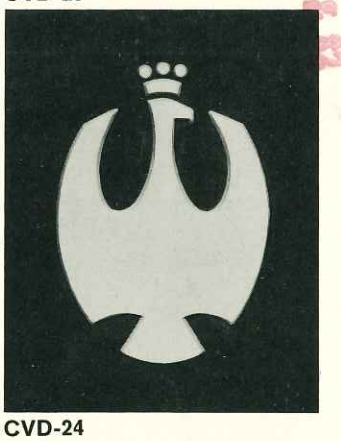
CVD-18



CVD-22



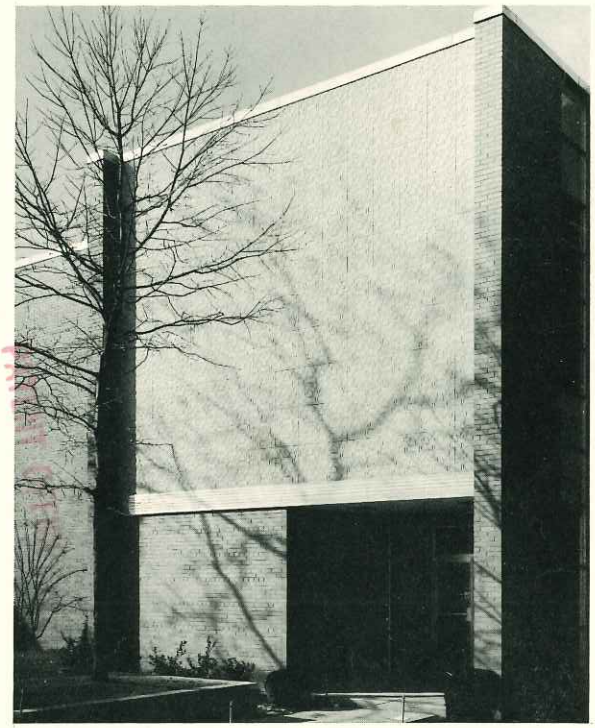
CVD-23



CVD-24

Design your own...
or choose a sculptured pattern from the
CV DURATHIN® Design Series

Illustrated are eight of more than a score of CV Durathin patterns illustrated in Federal Seaboard's new Design Series brochure. They are helpful in visualizing the handsome effects you can create with low-relief ceramic walls of 3/8" CV Durathin. There is no limit to the design possibilities . . . practically no restrictions on your choice of colors. You can select a gloss, satin or unglazed finish and specify unit sizes up to 17¾" x 23¾". Whichever best meets your needs, a standard pattern in the Design Series or your own creation, Federal Seaboard will custom-make it for you. The price? Much less than you'd expect for walls of individualized beauty, quality and appearance.



Addition to Engineering Building, Kearfott Division, General Precision, Inc., Little Falls, N. J. Finne, Lyman & Finne—architects. Mahony-Troast Construction Co.—builder. CV Durathin Design No. CVD-18 in sea moss green units 17¾" x 23¾" x ⅜" was specified for facade above entrance. Design and color were selected to form a pleasing combination with the brick.

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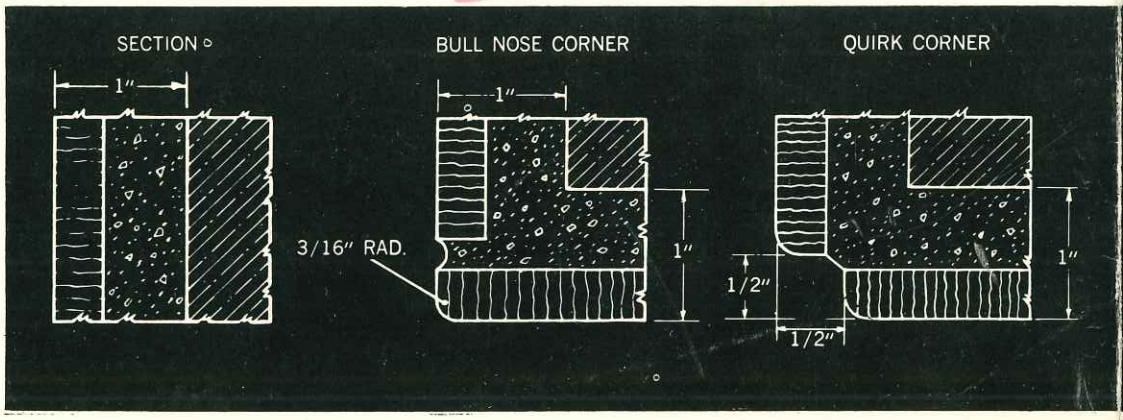


CV DURATHIN®

Standard Specifications

SETTING DRAWINGS – If required, setting drawings will be furnished.

QUALITY – CV Durathin shall conform to the requirements of Federal Seaboard Terra Cotta Corporation for quality of finish and physical properties.

TOLERANCE

(A) The exposed face of CV Durathin shall not vary from a true plane by more than .0035 inch per inch.

(B) Size shall not vary more than 1/16″ over or under specified face dimensions.

UNIT SIZES – The maximum net face dimension is 17¾″ x 23¾″. This size and the 11¾″ x 17¾″ unit are the lowest in cost. Other sizes are available at a slight price increase. Closure pieces are to be cut at the site by contractor. All face edges shall be straight and square. Joints shall be ¼″ concave.

SPECIAL SHAPES – The special shapes available are a ⅜″ square return and a 3/16″ radius bullnose.

CERAMIC FINISH AND COLOR – The ceramic finish and color of all exposed surfaces of CV Durathin shall be as approved by the architect and subject to normal ceramic variation. If polychrome (which consists of two or more colors applied separately to a specified area) or two-fire colors such as gold, silver, orange and vermilion are required, the extent of their use shall be indicated on the architect's drawings or in the specifications.

Note: Glazes such as gold, silver, orange and vermilion, which mature at lower temperatures than the clay body, must be applied to the burned body, resulting in an increase in the cost of these colors compared to single fire glazes.

Note: On small orders, consisting of 500 square feet or less, color selection is to be made from the abbreviated range.

DELIVERY – CV Durathin shall be shipped to point of delivery stated in the contract, properly packed, and in sound condition. The setting contractor shall receive all CV Durathin f.o.b. tailboard of truck at street curb and shall be responsible thereafter for same. CV Durathin shall be stored under cover not in contact with the ground and shall be stacked on wood lath or strips so as to protect it from damage.

METHOD OF SETTING

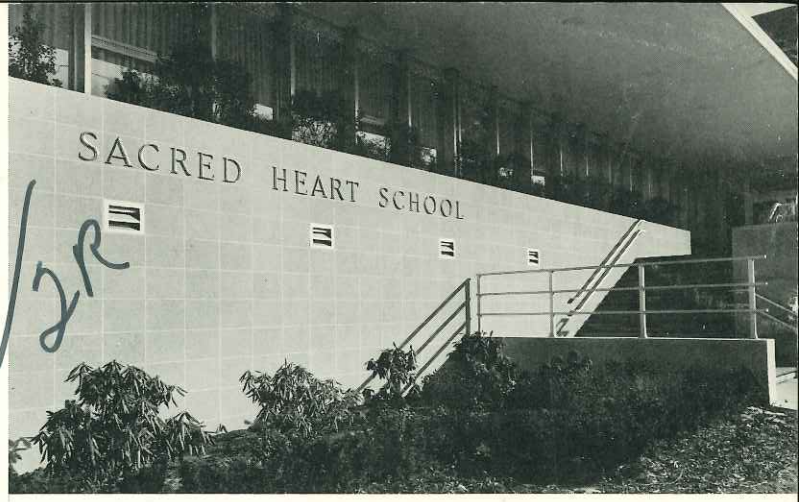
(A) CV Durathin is held in place by adhesion of mortar to the CV Durathin body and backing wall.

(B) If required, ⅛″ holes can be provided in bed edges to fasten anchors to backing with 1/16″ non-ferrous malleable wire.

(C) If concrete construction, the concrete shall be scored and the surface shall be free of any foreign substance, to insure proper adhesion.

(D) Space required for Mortar. Where brick, cinder block or concrete walls are even, mortar bed is ¼″ plus or minus as specified under Setting. Where walls are uneven or wire mesh used, total thickness is ⅝″ plus or minus, made up of a scratch coat and setting mortar as specified under Setting.

(E) Scratch Coat. A ⅜″ plus or minus leveling scratch coat composed of one part portland cement, 4 parts clean, sharp sand and ⅕ part hydrated lime by volume shall be applied to backing material prior to its setting of ⅜″ CV Durathin. While still plastic, the scratch coat shall be scored or scratched. Backing material must be free of dust or dirt or any foreign material. If gypsum or other porous material is used, a sealer coat of L & M Polycrete or equal shall be applied prior to scratch coat.



Sacred Heart School of Vailsburg, Newark, N. J. Emil A. Schmidlin –Architect. Frank W. Bogert–builder. CV Durathin units 12″ x 16″ x ⅜″ in sea mist green make a colorful, durable wall at entrance.

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(F) Setting Mortar. L & M thin bed Mortar Mix, Concentrate or Sand Mix, or approved equal shall be used for setting ⅜″ CV Durathin. If Concentrate is used, portland cement and sand are added and job-mixed. The Sand Mix is a complete mortar mix.

Proportions for Concentrate type are: 1 bag portland cement (94 lbs.), 1 bag Concentrate (25 lbs.), and 1½ bags clean sharp sand (150 lbs.).

(G) Setting. Scratch coat may be eliminated on backing wall of brick, cinder block, or concrete, provided wall is in true alignment of plus or minus ⅛″ and free of dirt, dust or any foreign material. Setting mortar bed to be ¼″ plus or minus.

Setting mortar is to be applied to scratch coat or backing material using notched trowel with ⅜″ teeth spaced ¼″ apart which will give a ¼″ plus or minus setting bed. ⅜″ CV Durathin shall be pressed firmly into place and face of units shall be cleaned of excess mortar. When sufficient time has elapsed, joints shall be struck to form a uniform ¼″ concave joint.

(H) Materials

Portland cement shall be	ASTM C150 Type 1
Sand shall be	ASTM C144 Type S
Lime shall be	ASTM 206 or 207 Type S

Mortar Mix shall meet or exceed standards of ASA 118-1.

(I) When applied to soffits, each piece of CV Durathin, in addition to the usual centers and wooden wedges, shall be supported by suitable bent vertical wooden shores exerting a constant upward pressure until the mortar has been set for several days.

(J) Expansion joints shall be installed where shown on architect's drawings.

(K) Cleaning. Upon completion of the setting, all surfaces shall be cleaned with soap or washing powder and rinsed thoroughly with clean water. Abrasive or metal tools shall not be used.

RETURN TO DESIGN DIV.

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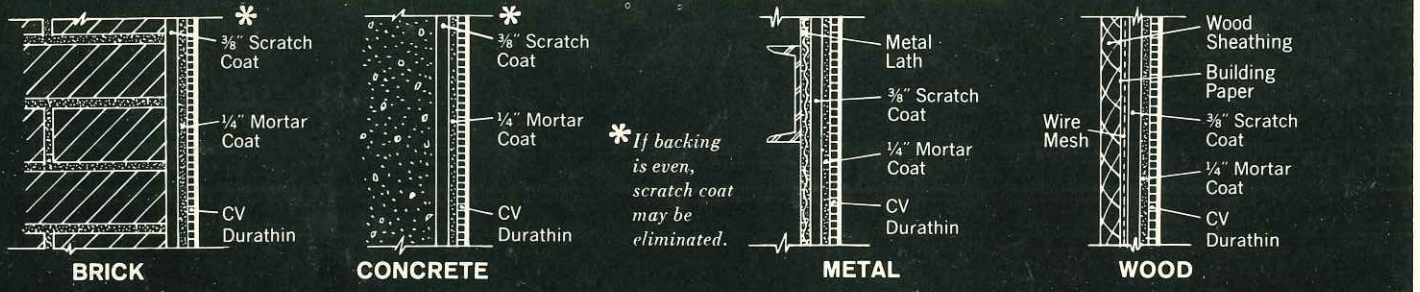
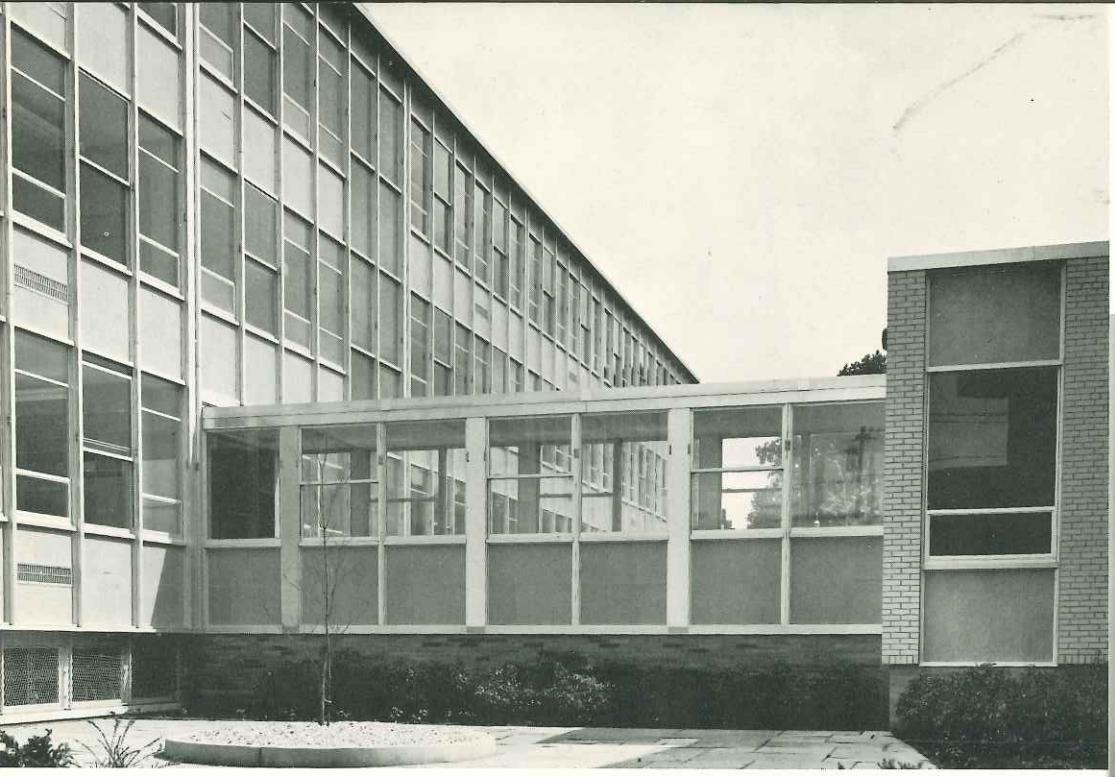
HOW CV DURATHIN IS APPLIED TO VARIOUS BACKINGS





Public School No. 40, Jersey City, N. J. Valdemar H. Paulsen—architect. B. J. Builders, Inc.—builders. CV Durathin Sandwich Panels in bright mottled blue provide a cheerful and dominant color. All panels are 1⅞" thick with Foamglas insulation. Specified widths vary from 52⁷⁄₁₆" to 59¾" while specified heights vary from 17⅜" to 82⁵⁄₁₆".

CV DURATHIN® SANDWICH PANEL

combines colorful beauty and economy in leakproof curtain-wall construction

DESCRIPTION

Maximum unit size CV Durathin is 17¾" x 23¾". Size of panel can exceed the recommended 4' x 8' if required. Weight of panel is eight pounds per square foot. Panel with Foamglas insulation can be had in thicknesses from 1⅝" to 1⅞". The U-value is 0.22 plus or minus. Thinner panel of 1⅛" utilizing Foamthane insulation instead of Foamglas is available.

SPECIFICATIONS

Scope: This work includes all CV Durathin Sandwich Panels shown on contract drawings and described in specifications.

Work not included: Installation and setting of panels; mullions and frames around panels; gaskets and seals around panels; finish on back of panel unless previously specified as CV Durathin.

Drawings: Setting drawings showing size of panel, jointing and construction details will be furnished.

Color and Finish: See description of CV Durathin on preceding pages.

Designs: More than a score of sculptured patterns in the CV Durathin Design Series are available. Special designs can be reproduced to the architect's specifications.

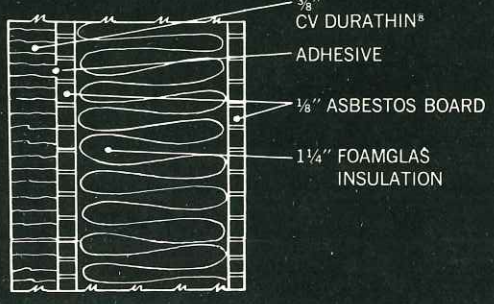
Construction: Panel is faced with ⅜" CV Durathin. Panel is composed of Foamglas insulation bonded between ⅛" cement-asbestos boards.

Joints: All joints are to be uniformly ¼" concave.

Shipping and Receiving: All panels shall be shipped properly packed for protection and shall be stored at site under cover.

CV DURATHIN® SANDWICH PANEL

Thickness of Foamglas Insulation Determines Overall Thickness of Panel



SECTION

SERVICE TO ARCHITECTURAL ORGANIZATIONS. The Federal Seaboard engineering department is available to you from the initial planning stages through drafting and construction. Without charge we will furnish construction detail, data, advice and estimates on preliminary sketches involving the use of CV Durathin or Ceramic Veneer. Write today.

For complete data on versatile Ceramic Veneer in all its various forms—smooth surfaces, polychrome panels, sculpture and grilles, see the Federal Seaboard insert in this edition of Sweet's $\frac{4e}{Fe}$

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